



## PRODUCTION METHOD FOR POROUS METAL BODY

Abstract of the Disclosure

A process for producing a metal body comprises (1) a step of maintaining under  
5 reduced pressure a metal material within a temperature range of room temperature to a  
temperature lower than a melting point of the metal in a sealed vessel to thereby degas the  
metal material, (2) a step of melting the metal material under pressurization by  
introducing a gas into the sealed container to thereby dissolve the gas into the molten  
metal, and (3) a step of cooling and solidifying the molten metal while controlling a gas  
10 pressure and a molten metal temperature in the sealed vessel to thereby form a porous  
metal body.